



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
 www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/101,480	03/20/2002	2185	1614	381AS/51059	16	24	11

CONFIRMATION NO. 6789

23911  
 CROWELL & MORING LLP  
 INTELLECTUAL PROPERTY GROUP  
 P.O. BOX 14300  
 WASHINGTON, DC 20044-4300

UPDATED FILING RECEIPT



"OC000000008389129"

Date Mailed: 07/02/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Hiromichi Yamada, Hitachi, JAPAN;  
 Dai Fujii, Tokai, JAPAN;  
 Yasuhiro Nakatsuka, Tokai, JAPAN;  
 Takashi Hotta, Hitachi, JAPAN;  
 Kotaro Shimamura, Hitachinaka, JAPAN;  
 Tatsuki Inedula, Mito, JAPAN;  
 Takanaga Yamazaki, Tama, JAPAN;

## Domestic Priority data as claimed by applicant

## Foreign Applications

JAPAN 2001-239442 08/07/2001

If Required, Foreign Filing License Granted 04/18/2002

Projected Publication Date: 02/13/2003

Non-Publication Request: No

Early Publication Request: No